

ABSTRACT OF THE DISCLOSURE

5 The invention provides three human proteins associated with cell proliferation, referred to collectively as "APOP" and individually as "APOP-1", "APOP-2", and "APOP-3", and polynucleotides which identify and encode APOP. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention also provides methods for preventing and treating disorders associated with expression of APOP.